

Listing of the Claims

1. (Previously amended) A composition comprising a pre-graft human skin equivalent, said pre-graft skin equivalent having a surface electrical capacitance of from about 40 to about 240 pF measured as the difference in reading over a 10 second interval, wherein said skin equivalent comprises Near Diploid Immortalized Keratinocyte cells.
2. (Previously amended) The composition of Claim 1, said human skin equivalent having a surface electrical capacitance of from about 80 to about 120 pF measured as the difference in over a 10 second interval.
3. (Previously amended) The composition of Claim 1, wherein the combined content of ceramides 5, 6, and 7 in said pre-graft skin equivalent is from about 20 to about 50% of total ceramide content.
4. (Previously amended) The composition of Claim 1, wherein the content of ceramide 2 in said pre-graft skin equivalent is from about 10 to about 40% of total ceramide content.
- 5-54. (Canceled)